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(71) Applicant (for all designated States except US): **UNIVERSITEIT GENT** [BE/BE]; Sint-Pietersnieuwstraat 25, B-9000 Gent (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VERBRUGGEN, August** [BE/BE]; Zanddstraat 12, B-9810 Nazareth (BE). **ELEWAUT, Dirk** [BE/BE]; Victor Laureinstraat 21, B-9052 Gent (BE). **WAN, Jun** [CN/BE]; Brouwersstraat 105, B-3000 Leuven (BE).

(74) Agents: **BIRD, William, E.** et al.; Bird Goen & Co., Klein Dalenstraat 42A, B-3020 Winksele (BE).

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(54) Title: NOVEL ANTISENSE OLIGOMERS AND USE THEREOF

(57) Abstract: The invention relates to the use of a novel type of antisense oligomers for use in the *in vitro* or *in vivo* inhibition of gene expression of a target gene. These oligomers, called exon-bridging oligomers are complementary to those parts of a spliced mRNA which are derived from two adjacent exons in the primary RNA transcript, and are called exon-bridging antisense oligomers. These oligomers have no complementarity to genomic DNA. These oligomers can be used to perform antisense inhibition with less aspecific binding to genomic DNA. The exon-bridging oligomers are suitable for inhibiting Interleukin1 type I Receptor in, for instance, chondrocytes, and are suitable for the prevention or treatment of osteoarthritis.

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